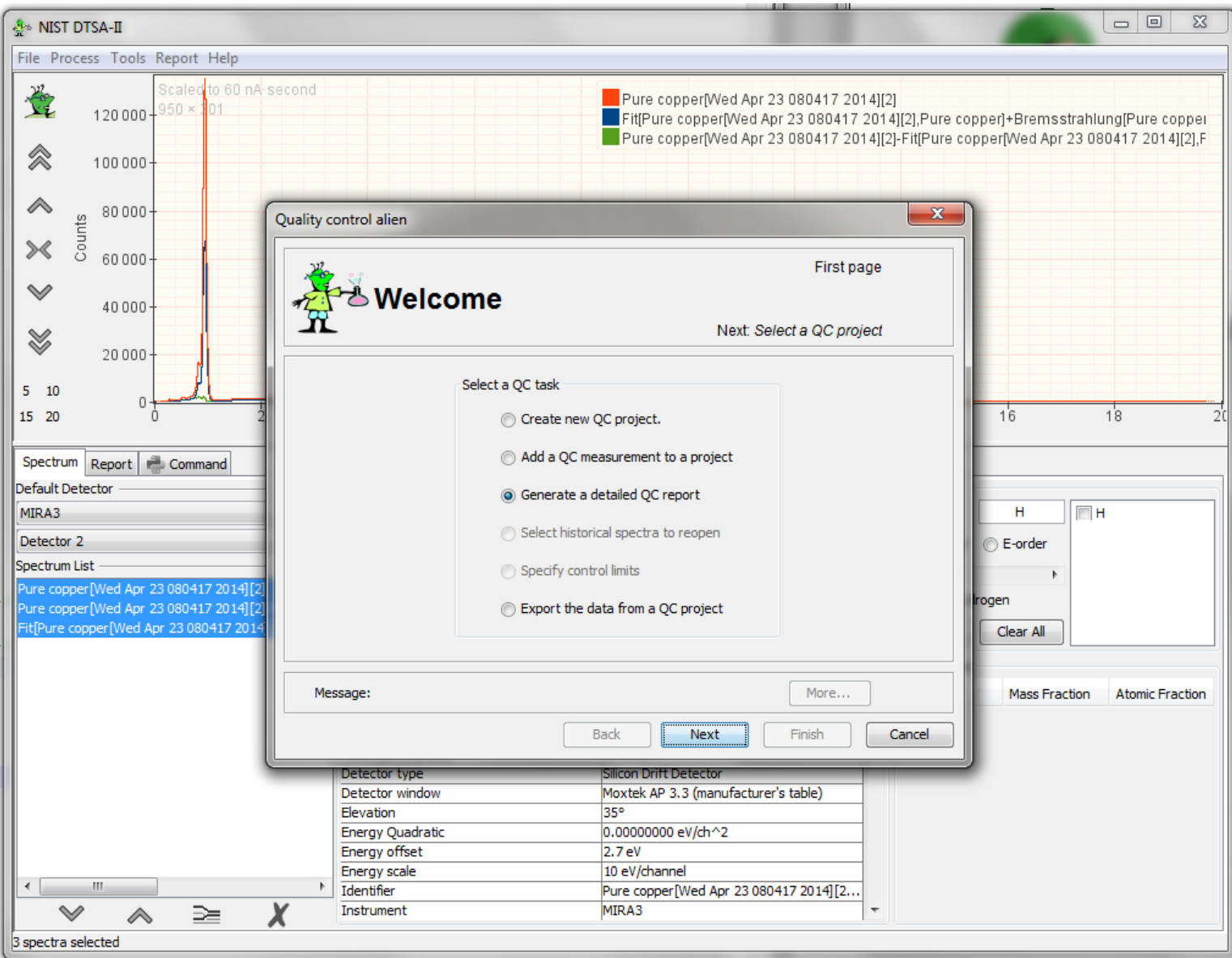


# Generating control charts

How to show a non-technical manager that your process is under control





Scale to equal integral on [7838 eV, 8265 eV]  
950 × 301

Pure copper[Wed Apr 23 08:04:17 2014][0]  
Pure copper[Wed Apr 23 08:04:17 2014][1]  
Pure copper[Wed Apr 23 08:04:17 2014][2]  
Pure copper[Wed Apr 23 08:04:17 2014][3]

5 10  
15 20

7 360 7 560 7 760 7 960 8 160 8 360 8 560 8 760 8 960 9 160  
Energy (keV)

Spectrum Report Command

Default Detector

MIRA3

Detector 2

Spectrum List

Pure copper[Wed Apr 23 08:02:00 2014][1]  
Pure copper[Wed Apr 23 08:02:00 2014][2]  
Pure copper[Wed Apr 23 08:02:00 2014][3]  
Pure copper[Wed Apr 23 08:02:00 2014][0]-Fit[Pu  
Pure copper[Wed Apr 23 08:02:00 2014][1]-Fit[Pu  
Pure copper[Wed Apr 23 08:02:00 2014][2]-Fit[Pu  
Pure copper[Wed Apr 23 08:02:00 2014][3]-Fit[Pu  
Pure copper[Wed Apr 23 08:04:17 2014][0]  
Pure copper[Wed Apr 23 08:04:17 2014][1]  
Pure copper[Wed Apr 23 08:04:17 2014][2]  
Pure copper[Wed Apr 23 08:04:17 2014][3]  
Pure copper[Wed Apr 23 08:04:17 2014][0]-Fit[Pu  
Pure copper[Wed Apr 23 08:04:17 2014][1]-Fit[Pu  
Pure copper[Wed Apr 23 08:04:17 2014][2]-Fit[Pu  
Pure copper[Wed Apr 23 08:04:17 2014][3]-Fit[Pu

Spectrum Properties

Name	Value
Acquisition time	4/23/14 8:04 AM
Beam energy	20.0 keV
Dead layer	0 $\mu$ m
Detector area	30 mm <sup>2</sup>
Detector thickness	0.45 mm
Detector type	Silicon Drift Detector
Elevation	35°
Energy Quadratic	0.00000000 eV/dh <sup>2</sup>
Instrument	MIRA3
Optimal working distance	17.0 mm
Probe current	0.714652 nA
Probe current (after)	0.714652 nA
Real time	73.6 seconds
Resolution measurement energy	5899 eV
Stage position	{X:-2.421,Y:-14.287,Z:24.901,Rotate:-0....
Support grid open area	77.0%
Support grid thickness	0.380 mm
Window type	Ultra-thin window

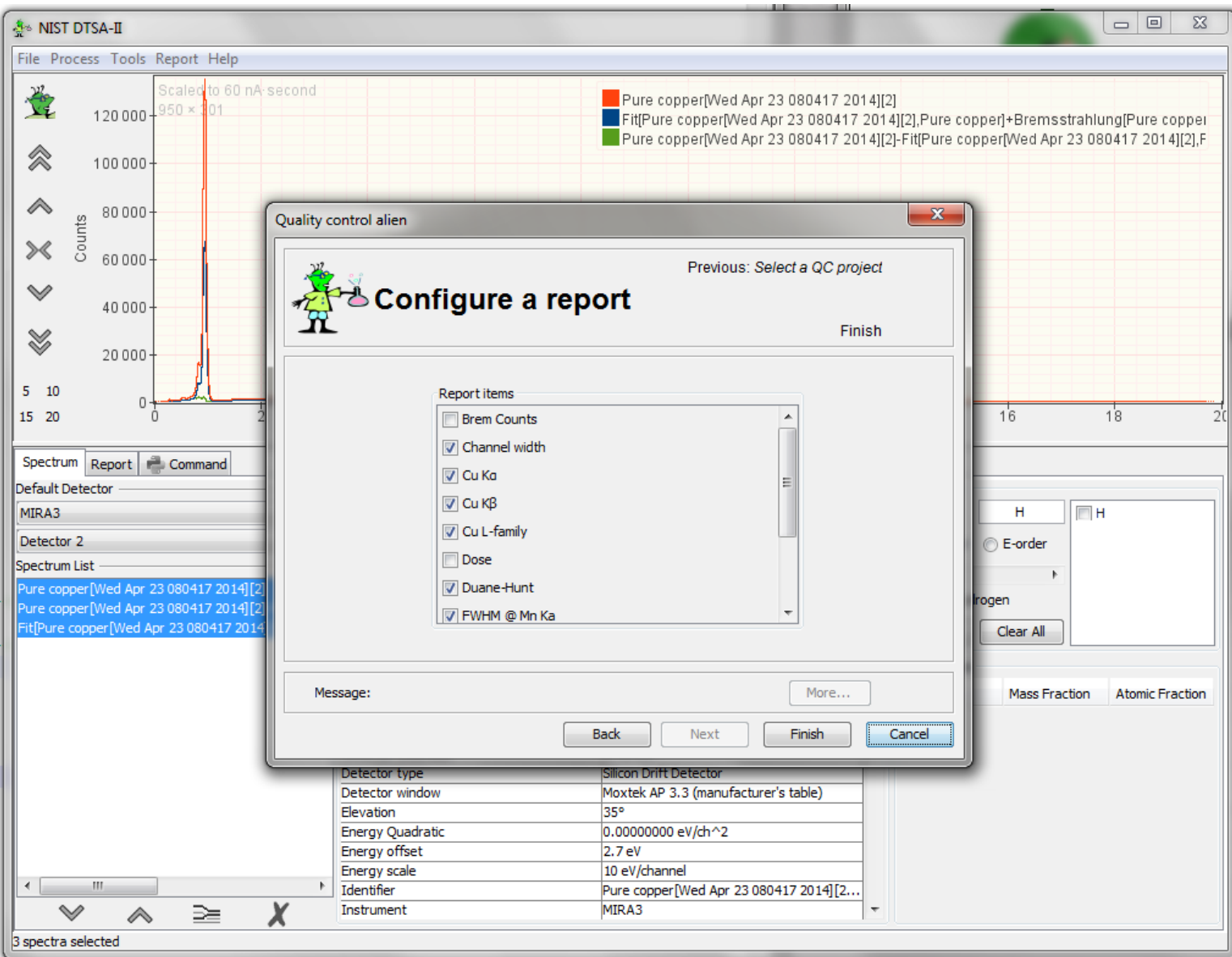
KLM Lines

Element H H  
☒ Z-order ☐ E-order  
Hydrogen  
Clear Clear All

Composition

Element Mass Fraction Atomic Fraction

4 spectra selected.



# QUALITY CONTROL REPORT - APR 23, 2014

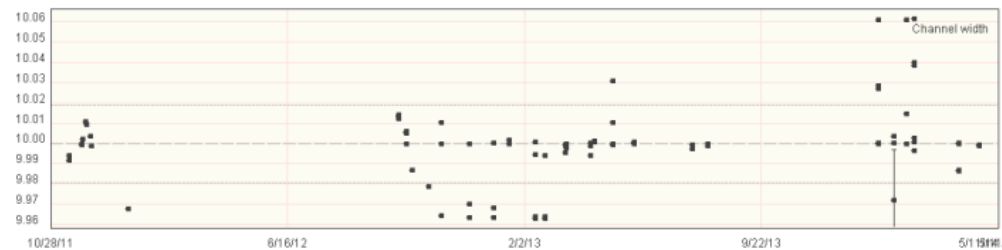
NIST DTSA-II Version Halley 2014-04-04

EPQ Version Halley 2014-04-04

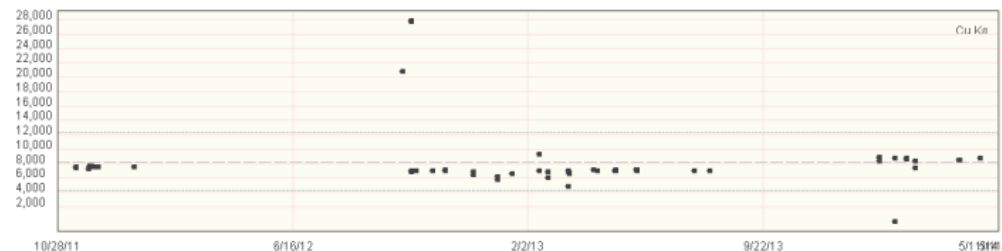
Operator Tescan

Item	Value
Detector	Detector 2 - FWHM[Mn Ka]=128.0 eV - initial
Beam Energy	20.0 keV
Material	Pure copper

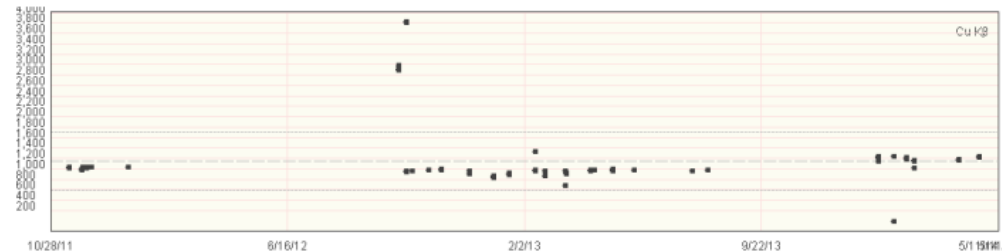
## Channel width



## Cu Ka



## Cu Kβ



## Cu L-family



